



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Li

Application Number: 09/101,518

Group Art Unit: 1646

Filed: December 21, 1998

Examiner: M. Pak

Title: **Human G-Protein Chemokine
Receptor HSATU68**

Attny. Docket No.: PF218US

DECLARATION OF YI LI UNDER 37 C.F.R. § 1.131

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, Yi Li, hereby declare and state as follows:

1. I am the inventor of the subject matter described and claimed in the above-identified U.S. patent application, which is assigned to Human Genome Sciences, Inc. (HGS). The work described below occurred at HGS, which is located in Rockville, Maryland, USA.
2. The above-identified patent application relates to the isolation and characterization of a cDNA encoding a novel gene product designated human G-protein chemokine receptor HSATU68.
3. The nucleotide sequence of clone HSATU68 disclosed in original Figures 1A-1D of the captioned application (see Exhibit A) was determined at HGS prior to September 1995.
4. Attached hereto as Exhibit B is a redacted printout of data from the relevant pages of an HGS full length project report identifying cDNA clone HSATU68 (page 1), and disclosing the full length sequence (pages 12-13). The redacted date of the nucleotide sequence in Exhibit B is prior to September 1995.

5. The nucleotide sequence disclosed in original Figures 1A-D of the above-identified application (Exhibit A) is the same as that disclosed in the redacted printout of data from the HGS full length project report having a date prior to September 1995 (Exhibit B).

6. I declare further that all statements made in this Declaration are of my own knowledge and are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 11/27/03

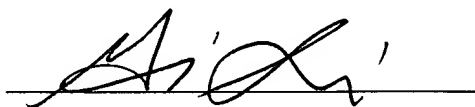

Yi Li

FIG. 1B

MATCH WITH FIG. 1A

GCAGCCCTCAACAGCCTCCTCTTCTGCTGGGCTGTGGCAACGGCGGTGGCAGC
P A L N S L L F L L G L L G N G A V A A

590

CGTGCTGCTGAGCCGGGACAGCCCTGAGCAGCAGCAGCCTTCTGCTCCACCTAGC
V L L S R R T A L S S T D T F L L H L A

570

TGTAGCAGACAGCCTGCTGGTGTGACACTGCCGCTCTGGCAGTGGACGCTGCCGTCCA
V A D T L L V L T L P L W A V D A A V Q

630

GTGGTCTTTGGCTCTGGCCTCTGCAAGTGGCAGGTGCCCTCTTCAACATCAACTTCTA
W V F G S G L C K V A G A L F N I N F Y

710

CGCAGGAGCCCTCCTGCTGGCCTGCATCAGCTTTGACCGGTACCTGAACATAGTTCATGC
A G A L L L A C I S F D R Y L N I V H A

730

CACCCAGCTCTACCGCGGGGCCCCCGCGGTGACCTCACCCTGCCTGGCTGTCTG
T Q L Y R R G P P A R V T L T C L A V W

810

GGGCTCTGCTGCTTTTCGCCCTCCAGACTTCATCTTCTGTGCGCCACCGACGACGA
G L C L L F A L P D F I F L S A H H D E

830

GCGCCTCAACGCCACCCACTGCCAATACAACTTCCCACAGGTGGCGCCGACGGCTCTGCG
R L N A T H C Q Y N F P Q V G R T A L R

850

CGGCTCTGCTGCTTTTCGCCCTCCAGACTTCATCTTCTGTGCGCCACCGACGACGA
T Q L Y R R G P P A R V T L T C L A V W

870

GGGCTCTGCTGCTTTTCGCCCTCCAGACTTCATCTTCTGTGCGCCACCGACGACGA
G L C L L F A L P D F I F L S A H H D E

890

GCGCCTCAACGCCACCCACTGCCAATACAACTTCCCACAGGTGGCGCCGACGGCTCTGCG
R L N A T H C Q Y N F P Q V G R T A L R

MATCH WITH FIG. 1C

FIG. 1C

MATCH WITH FIG. 1B

970	990	1010
GGTGTGCAGCTGGTGGCTGGCTTTCTGCTGCCCTGCTGGTCACTGGCCTACTGCTATGC		
V L Q L V A G F L L P L L V M A Y C Y A		
1030	1050	1070
CCACATCCTGGCCGTGCTGCTGGTTTCCAGGGGCCAGCGCGCCCTGCGGGCCATGCGGGCT		
H I L A V L L V S R G Q R R L R A M R L		
1090	1110	1130
GGTGTGGTGGTGGTGGCCCTTTGGCCCTCTGCTGGACCCCTATCACCTGGTGGTGCT		
V V V V V V A F A L C W T P Y H L V V L		
1150	1170	1190
GGTGGACATCCTCATGGACCTGGGGCTTTGGCCCGCAACTGTGGCCGAGAAAGCAGGGT		
V D I L M D L G A L A R N C G R E S R V		
1210	1230	1250
AGACGTGGCCCAAGTCGGTCACCTCAGGCCCTGGGCTACATGCACTGCTGCCCTCAACCCGCT		
D V A K S V T S G L G Y M H C C L N P L		
1270	1290	1310
GCTCTATGCCCTTTGTAGGGTCAAGTCCGGGAGCGGATGTGGATGCTGCTCTTGC		
L Y A F V G V K F R E R M W M L L R L		

MATCH WITH FIG. 1D

MATCH WITH FIG. 1C

FIG. 1D

```
1330          1350          1370
GGGCTGCCCCAACACAGAGAGGGCTCCAGAGGCAGCCATCGTCTTCCCGCGGATTCATC
G C P N Q R G L Q R Q P S S R R D S S
1390          1410          1430
CTGGTCTGAGACCTCAGAGGCTCTCTACTCGGCTTGTGAGGCCGGAATCCGGGCTCCCC
W S E T S E A S Y S G L *
1450          1470          1490
TTTCGCCACAGTCTGACTTCCCCCGCATTCACAGGCTCCTCCCTCCCTCTGCCGGCTCTGG
1510          1530          1550
CTCTCCCCAATATCCTCGCTCCCCGGGACTCACTGGCAGCCCCCAGCACCCAGGTCTCCTCC
1570          1590          1610
GGGAAGCCACCCCTCCCAGCTCTGAGGACTGCACCATTTGCTGCTCCTTAGCTGCCAAGCCC
1630          1650          1670
CATCCTGCCGCCGAGGTGGCTGCCCTGGAGCCCCCACTGCCCTTCTCATTTGGAAACTAAA
1690          1710          1730
ACTTCATCTTCCCCCAAGTGCGGGGAGTACAAGGCATGGCGGTAGAGGGTGTGCCCCCATGA
1750          1770          1790
AGCCACAGCCCCAGGCCCTCCAGCTCAGCAGTGACTGTGGCCCATGGTCCCCCAAGACCTCTAT
1810          1830          1850
ATTTGGTCTTTTATTTTATGTCTAAAAATCCTGCTTAAACTTTTCAATAAACAAGATCG
1870
TCAGGAAAAAATAAAAA
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HGS Full Length Project Report

Project Information

Clone ID: HSATU68

Full Length Information

Following is the complete sequence of the full-length clone.

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CCTGAAGGGAGAGCAGGGAGAGAGAGACAGTGGCCAGAGAGGGCTCTGGGCACTGGAGGGACGCTCTTCTTCTGCCC
AGGGGTCCCTGGGCCGATGGGATCACGCAGAAGAATGCGAGAGAAGCAGCCTTTGAGAAGGGAAGTCACTATCCCAGAG
CCCAGACTGAGCGGATGGAGTTGAGGAAGTACGGCCCTGGAAGACTGGCGGGGACAGTTATAGGAGGAGCTGCTCAGAG
TAAATCACAGACTAAATCAGACTCAATCACAAAAGAGTTCTTGCCAGGCCTTTACACAGCCCCTTCTCCCCGTTCCCG
CCCTCACAGGTGAGTGACCACCAAGTGCTAAATGACGCCGAGGTTGCCGCCCTCCTGGAGAACTTCAGCTCTTCTCTATG
ACTATGGAGAAAACGAGAGTGAATCGTGCTGTACCTCCCCGCCCTGCCACAGGACTTCAGCCTGAACTTCGACCGGGC
CTTCTGCCAGCCCTCAACAGCCTCCTCTTTCTGCTGGGGCTGCTGGGCAACGGCGCGGTGGCAGCCGTGCTGCTGAGC
CGGCGGACAGCCCTGAGCAGCACCGACACCTTCTGCTCCACCTAGCTGTAGCAGACACGCTGCTGGTGTGACTGCTG
CGCTCTGGGCAGTGGACGCTGCCGTCCAGTGGGTCTTTGGCTCTGGCCTCTGCAAAGTGGCAGGTGCCCTCTTCAACAT
CAACTTCTACGCAGGAGCCCTCCTGCTGGCCTGCATCAGCTTTGACCGCTACCTGAACATAGTTTATGCCACCCAGCTC
TACCGCCGGGGGCCCCCGGCCCGGTGACCCCTCACCTGCCTGGCTGTCTGGGGGCTCTGCCTGCTTTTCGCCCTCCAG
ACTTCATCTTCTGTGCGCCACACGACGAGCGCCTCAACGCCACCCACTGCCAATACAACCTCCACAGGTGGGCGG
CACGGCTCTGCGGGTGCTGCAGCTGGTGGCTGGCTTTCTGCTGCCCTGCTGGTCACTGGCTACTGCTATGCCACATC
CTGGCCGTGCTGCTGGTTTCCAGGGGCCAGCGGCCCTGCGGGCCATGCGGCTGGTGGTGGTGGTGGTGGTGGCTTTG
CCCTCTGCTGGACCCCTATCACCTGGTGGTGGTGGTGGACATCCTCATGGACCTGGGCGCTTTGGCCCGCAACTGTGG
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CCGAGAAAGCAGGGTAGACGTGGCCAAGTCGGTCACCTCAGGCCTGGGCTACATGCACTGCTGCCTCAACCCGCTGCTC
TATGCCTTTGTAGGGGTCAAGTTCCGGGAGCGGATGTGGATGCTGCTCTTGCGCCTGGGCTGCCCCAACCCAGAGAGGGC
TCCAGAGGCAGCCATCGTCTTCCCGCCGGGATTCATCCTGGTCTGAGACCTCAGAGGCCTCCTACTCGGGCTTGTGAGG
CCGGAATCCGGGCTCCCCCTTCGCCCACAGTCTGACTTCCCCGCATTCCAGGCTCCTCCCTCCCTCTGCCGGCTCTGGC
TCTCCCCAATATCCTCGCTCCCGGGAAGTCACTGGCAGCCCCAGCACCACCAGGTCTCCCGGGAAGCCACCCTCCCAGCT
CTGAGGACTGCACCATTGCTGCTCCTTAGCTGCCAAGCCCCATCCTGCCGCCGAGGTGGCTGCCTGGAGCCCCACTGC
CCTTCTCATTTGGAAACTAAACTTCATCTTCCCCAAGTGCGGGGAGTACAAGGCATGGCGTAGAGGGTGCTGCCCCAT
GAAGCCACAGCCAGGCCTCCAGCTCAGCAGTGACTGTGGCCATGGTCCCCAAGACCTCTATATTTGGTCTTTTATTTT
TATGTCTAAAATCCTGCTTAAACTTTTCAATAACAAGATCGTCAGGAAAAAAAAA